

HC 64493  
KESTEVEN COUNTY COUNCIL.

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ANNUAL REPORT  
OF  
COUNTY  
MEDICAL OFFICER  
FOR THE YEAR 1933.



COUNTY OFFICES,

SLEAFORD,

22nd June, 1934.

*To the Chairman and Members of the Public Health and Housing  
and Maternity and Child Welfare Committees.*

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GENTLEMEN,

I have the honour to present to you my Twenty-third Annual Report on the work of the Public Health Services of the County.

The Tables of Vital Statistics contained in the Report are calculated from the estimated population (Midsummer, 1933) made by the Registrar General.

A. H. LOWE,

*County Medical Officer.*

# The Medical Officer's Report, 1933.

Area in (acres) 463,505.

The Population according to the Census of 1921, was 108,237. The Registrar General estimated the population for 1933 as 109,880, this being 440 less than the preceding year.

The number of inhabited houses according to the Census, 1921, was 24,456. The number of inhabited houses at the end of 1933 was as follows:—

Bourne Urban District	...	...	1364
Grantham Borough	...	...	5423
Sleaford Urban District	...	...	1814
Stamford Borough	...	...	2882
South Kesteven Rural District	...	...	3730
North Kesteven Rural District	...	...	5187
West Kesteven Rural District	...	...	4292
East Kesteven Rural District...	...	...	4398
TOTAL	...	...	29,090

The rateable value of the County is £424,375, and the sum represented by a penny rate £1,649.

The main occupation of the inhabitants of the County is Agriculture, and there is none which can be said to be deleterious to health.

## EXTRACT FROM VITAL STATISTICS.

		Total	M.	F.	
LIVE BIRTHS	Legitimate	1,410	720	690	} Birth Rate 13·66
	Illegitimate	90	46	44	
STILL BIRTHS	...	72	38	34	
DEATHS	...	1,384	678	706	Death Rate 12·59

Number of women dying in, or in consequence of, childbirth:—from sepsis, 2; other causes, 3.

Death rate of infants under 1 year of age per 1,000 live births:—Legitimate, 51·7; Illegitimate, 55·5. Total 52·0.

Deaths from Measles ... 3.

Deaths from Whooping Cough ... 5.

Deaths from Diarrhoea (under 2 years of age) 8.

The chief causes of death during the past seven years were:—

	1927.	1928.	1929.	1930.	1931.	1932.	1933.
Influenza	90	21	62	5	38	48	60
Pulmonary Tuberculosis	50	58	59	61	65	63	64
Cancer	172	182	187	159	163	156	171
Cerebral Hæmorrhage	101	97	98	115	91	88	100
Heart Disease	236	230	312	252	297	290	299
Bronchitis	88	59	108	51	72	48	75

Table I.—VITAL STATISTICS, 1933.

District.	Population.	Number of Births.	Birth Rate.	Number of Deaths.	Death Rate.	Illegitimate Births.	Deaths under 1 year.	Infant Mortality Rate.
Bourne ... ..	4,733	77	16·26	63	13·31	5	1	12·98
Grantham ... ..	19,550	285	14·57	262	13·40	17	20	70·17
Sleaford ... ..	7,097	96	13·52	81	11·41	4	6	62·5
Stamford ... ..	10,030	115	11·46	134	13·35	4	6	52·17
Total Urban Districts ...	41,410	573	13·83	540	13·01	30	33	57·59
East Kesteven ... ..	19,560	267	13·65	216	11·04	14	14	52·43
North Kesteven ... ..	14,160	191	13·48	225	15·99	14	10	52·35
South Kesteven ... ..	18,770	244	12·99	209	11·13	13	6	24·59
West Kesteven ... ..	15,980	225	14·08	194	12·14	19	15	66·66
Total Rural Districts ...	64,470	927	14·30	844	13·09	60	45	48·54
Total Administrative County ...	109,880	1,500	13·66	1,384	12·59	90	78	52·00

Table II.—SHOWING FOR EACH DISTRICT THE NUMBER AND CAUSES OF DEATH DURING 1933.

CAUSES OF DEATH.	Bourne U.D.	Grantham Borough.	Sleaford U.D.	Stamford U.D.	East Kesteven.	North Kesteven.	South Kesteven.	West Kesteven.	TOTALS.
Typhoid and Paratyphoid Fevers ... ..	...	...	...	...	...	...	2	...	2
Measles ... ..	...	...	...	...	1	...	2	...	3
Scarlet Fever ... ..	1	1	...	...	...	...	...	...	2
Whooping Cough ... ..	1	1	...	...	...	...	3	...	5
Diphtheria ... ..	1	1	...	...	1	...	1	...	4
Influenza ... ..	...	2	1	8	18	10	7	14	60
Encephalitis Lethargica ... ..	...	...	...	1	...	...	2	...	3
Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	2	2
Tuberculosis of Respiratory system ...	1	12	3	6	12	9	9	12	64
Other Tuberculous Diseases ... ..	1	2	2	1	3	4	2	3	18
Syphilis ... ..	...	...	...	...	...	...	1	...	1
General Paralysis of the Insane (Tabes dorsalis) ... ..	...	2	1	...	1	2	1	...	7
Cancer, malignant disease ... ..	16	40	9	21	30	27	22	26	171
Diabetes ... ..	1	4	...	1	3	...	2	2	13
Cerebral Hæmorrhage, etc. ... ..	4	22	5	9	13	21	15	11	100
Heart Disease ... ..	13	57	28	20	38	48	52	43	299
Aneurysm ... ..	...	...	...	...	1	...	...	...	1
Other Circulatory Diseases ... ..	...	20	5	5	13	6	7	8	64
Bronchitis ... ..	5	16	4	10	6	17	9	8	75
Pneumonia ... ..	1	4	...	3	6	9	10	12	45
Other Respiratory Diseases ... ..	1	3	1	1	3	1	3	2	15
Peptic Ulcer ... ..	...	2	...	1	2	1	1	2	9
Diarrhœa, &c. ... ..	...	...	1	...	2	1	1	3	8
Appendicitis ... ..	...	3	...	...	...	3	...	1	7
Cirrhosis of Liver ... ..	...	1	1	1	...	1	...	...	4
Other Diseases of Liver, &c. ... ..	1	...	...	...	...	1	3	...	5
Other Digestive Disease ... ..	1	3	3	2	5	7	5	5	31
Acute and Chronic Nephritis ... ..	2	6	2	2	9	7	10	3	41
Puerperal Sepsis ... ..	...	...	...	...	...	1	...	1	2
Other Puerperal Causes ... ..	1	1	...	...	...	...	1	...	3
Congenital Debility, Premature Birth, Malformations, &c. ... ..	...	13	3	3	3	6	4	6	38
Senility ... ..	2	16	1	9	2	10	11	8	79
Suicide ... ..	1	...	...	4	2	2	6	1	16
Other Violence ... ..	4	7	4	8	8	3	9	6	49
Other defined causes ... ..	5	21	6	18	27	17	24	15	133
Causes ill-defined or unknown ... ..	...	2	1	...	...	2	...	...	5
	63	262	81	134	209	216	225	194	1384



Table III.—CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE IN THE ADMINISTRATIVE  
COUNTY OF LINCOLN PARTS OF KESTEVEN, 1933.

CAUSES OF DEATH.	Sex.	AGGREGATE OF URBAN DISTRICTS.												AGGREGATE OF RURAL DISTRICTS.											
		All Ages.	0—	1—	2—	5—	15—	25—	35—	45—	55—	65—	75—	All Ages.	0—	1—	2—	5—	15—	25—	35—	45—	55—	65—	75—
ALL CAUSES.	M	252	25	2	1	3	8	8	10	19	40	68	68	426	20	9	2	7	22	18	19	33	60	96	140
	F	288	8	1	4	4	6	7	9	29	46	50	124	418	25	4	4	14	16	18	27	29	40	72	169
1 Typhoid and Paratyphoid Fevers	M	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	1	...	...	1	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2 Measles	M	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	1	...	...	...	...	...	...	...
3 Scarlet Fever	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	2	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4 Whooping Cough	M	2	1	...	1	...	...	...	...	...	...	...	...	2	...	2	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...
5 Diphtheria	M	1	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...
	F	1	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...
6 Influenza	M	4	...	...	...	...	...	...	1	...	...	2	1	24	...	...	...	...	1	6	3	4	4	6	...
	F	7	...	...	...	...	...	1	...	...	1	2	3	25	2	...	...	...	1	1	1	...	4	5	11
7 Encephalitis Lethargica	M	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...
8 Cerebro-Spinal Fever	M	1	1	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
9 Tuberculosis of Respiratory System	M	12	...	...	...	...	3	2	2	3	2	...	...	21	...	...	...	...	7	6	3	3	2	...	...
	F	10	...	...	...	1	2	2	1	3	1	...	...	21	...	...	...	...	9	4	2	2	4	...	...
10 Other Tuberculous diseases	M	3	...	1	...	...	...	1	...	...	...	1	...	6	2	2	...	...	...	...	1	...	1	...	...
	F	3	...	...	1	...	...	1	...	1	...	...	...	6	...	1	1	1	...	2	...	...	...	1	...
11 Syphilis	M	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12 General Paralysis of the Insane (tabes dorsalis)	M	3	...	...	...	...	...	...	...	2	1	...	...	3	...	...	...	...	...	...	1	2	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...
13 Cancer, malignant disease	M	36	...	...	...	...	...	...	...	5	13	11	7	53	...	...	...	...	...	1	5	9	25	12	...
	F	50	...	...	1	...	...	...	3	11	13	10	12	52	...	...	...	...	...	1	4	8	8	10	21
14 Diabetes	M	5	...	...	...	...	...	...	...	...	1	3	1	4	...	...	...	...	1	...	...	...	...	...	2
	F	1	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...
15 Cerebral Hæmorrhage, &c.	M	16	...	...	...	...	...	...	...	1	2	5	8	25	...	...	...	...	...	...	...	2	5	3	15
	F	24	...	...	...	...	...	...	...	2	7	5	10	35	...	...	...	...	...	...	...	2	5	7	21
16 Heart Disease	M	49	...	...	...	...	...	...	1	2	12	18	16	86	...	...	...	...	...	...	1	2	16	30	37
	F	69	...	...	...	...	...	1	1	3	8	16	40	95	...	...	...	...	1	1	6	4	7	25	51
17 Aneurysm	M	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18 Other Circulatory diseases	M	17	...	...	...	...	...	...	...	2	7	8	17	...	...	...	...	...	...	...	...	1	4	12	...
	F	13	...	...	...	...	...	...	1	...	1	11	17	...	...	...	...	...	...	1	1	1	5	9	...
19 Bronchitis	M	15	2	...	...	...	...	...	...	2	...	1	10	21	...	...	...	1	...	1	1	2	4	12	...
	F	20	...	...	...	...	...	...	...	...	...	2	18	19	1	...	1	...	...	...	1	...	3	13	...
20 Pneumonia (all forms)	M	8	4	...	...	...	...	2	...	...	2	...	...	19	3	2	...	...	1	1	2	1	1	3	5
	F	...	...	...	...	...	...	...	...	...	...	...	...	18	2	...	2	1	...	1	...	1	1	1	9
21 Other Respiratory diseases	M	4	1	1	...	...	...	...	1	...	...	1	5	...	1	...	...	1	...	...	...	2	...	1	...
	F	2	...	...	...	...	...	...	...	1	...	...	...	4	1	...	...	1	...	...	...	1	...	...	...
22 Peptic Ulcer	M	2	...	...	...	...	...	...	...	...	1	1	...	3	...	...	...	...	...	...	2	...	1	...	...
	F	1	...	...	...	...	...	...	...	...	...	1	3	...	...	...	...	...	...	...	1	...	...	1	...
23 Diarrhœa, &c.	M	1	1	...	...	...	...	...	...	...	...	...	...	4	3	1	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	6	2	1	...	1	1	...	...	...	...	...	...
24 Appendicitis	M	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...
	F	3	...	...	...	...	...	...	1	...	1	1	...	3	...	...	...	1	...	...	...	...	...	...	...
25 Cirrhosis of Liver	M	1	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	1	...
	F	2	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...
26 Other diseases of Liver, etc.	M	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...
	F	1	...	...	...	...	...	...	...	...	...	1	...	3	...	...	...	...	...	2	...	...	...	1	...
27 Other Digestive diseases...	M	4	...	...	...	...	...	1	...	2	1	...	...	10	1	...	...	1	...	1	2	1	2	2	...
	F	5	...	...	1	...	...	...	1	...	1	2	...	9	1	1	...	...	...	2	1	...	1	3	...
28 Acute and Chronic Nephritis	M	8	...	...	...	1	...	...	...	...	2	4	1	12	...	...	...	...	2	...	...	2	4	4	...
	F	4	...	...	...	...	1	1	1	...	...	...	1	17	1	...	1	...	1	...	1	3	5	5	...
29 Puerperal Sepsis	M	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	1	1	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30 Other Puerperal Causes	M	2	...	...	...	1	1	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31 Congenital Debility, Premature Birth, Malformations, etc.	M	12	12	...	...	...	...	...	...	...	...	...	...	9	9	...	...	...	...	...	...	...	...	...	...
	F	7	7	...	...	...	...	...	...	...	...	...	...	10	10	...	...	...	...	...	...	...	...	...	...
32 Senility	M	9	...	...	...	...	...	...	...	...	...	1	8	12	...	...	...	...	...	...	...	...	2	10	...
	F	19	...	...	...	...	...	...	...	...	...	2	17	19	...	...	...	...	...	...	...	...	...	...	19
33 Suicide...	M	2	...	...	...	...	...	...	...	1	...	1	...	9	...	...	...	...	1	1	1	2	4	...	...
	F	3	...	...	...	...	...	...	...	2	1	...	...	2	...	...	...	...	2	...	...	...	...	...	...
34 Other Violence	M	13																							

## General Provision of Health Services in Kesteven.

### 1.—PUBLIC HEALTH OFFICERS OF THE AUTHORITY :—

County Medical Officer	...	...	Dr. A. H. Lowe, M.B., C.M., D.P.H.
Assistant County Medical Officer	..	}	Dr. Kathleen G. Mc. Colgan, M.B., B.Ch., D.P.H., B.A.O.
Venereal Diseases Officer	...	...	Dr. Charles Frier, M.B., C.M.
Orthopædic Surgeon Radiologist and Consultant Surgeon for Surgical Tuberculosis ...	...	}	Dr. G. A. C. Shipman, M.A., M.B., B.Ch., M.R.C.S.
Ophthalmic Surgeon for Infant Welfare Work and School Medical Service		}	Dr. Christie Reid, M.D., Hon. Surgeon to Nottingham Eye Infirmary.

The following Medical Officers are in charge of Infant Welfare Centres :—

Billinghay	...	...	Dr. Smallhorn
Bourne	...	...	Dr. J. Galletly and Dr. W. B. R. Monteith
Heckington	...	...	Dr. C. Devlin
Metheringham	...	...	Dr. E. Wright
Sleaford	...	...	Dr. A. C. Giles
Stamford	...	...	Dr. W. A. Hawes
Waddington	...	...	Dr. D. S. Buchanan
Heighington	...	...	Dr. W. Parker Harrison

The following are District Medical Officers under the Poor Law Act :—

Dr. William Deane, Dr. W. Parker Harrison, Dr. D. S. Buchanan, Dr. E. D. Wright,  
Dr. P. H. Rainbird, Dr. H. A. Pim, Dr. C. G. Dyer, Dr. T. W. Stanton,  
Dr. C. A. Smallhorn, Dr. C. Devlin, Dr. C. S. Dodson, Dr. T. H. Almond,  
Dr. J. B. Whelan, Dr. E. H. Cragg, Dr. W. Johnstone, Dr. H. N. Turnor,  
Dr. W. A. Hawes, Dr. C. G. Harper, Dr. Charles Frier, Dr. H. P. Dawson,  
Dr. A. M. Mitchell, Dr. R. H. Hudson, Dr. T. T. Kelly, Dr. O. Johnson,  
Dr. W. B. R. Monteith, Dr. Parker (Corby), Dr. W. H. Wilkie.

These also act as Public Vaccinators.

The Public Analyst is B. Henry Gerrans, F.I.C.

Veterinary Surgeons are F. L. Gooch, F.R.C.V.S., Stamford; T. Hicks, M.R.C.V.S., Sleaford;  
J. T. Holmes, M.R.C.V.S., Bourne; A. D. Lalor, M.R.C.V.S., Sleaford; A. Logan, M.R.C.V.S.,  
Bassingham; E. Porter Smith, M.R.C.V.S., Lincoln; F. H. Sugden, M.R.C.V.S., Grantham;  
Henry Walpole, M.R.C.V.S., Metheringham.

Vaccination Officers are nine in number.

There are six whole-time Health Visitors and 47 Midwives.

The Sanitary Inspectors are as follows :—

Bourne Urban District	...	...	S. Green
Grantham Borough	...	...	S. F. Nott
Sleaford Urban District	...	...	F. Clare
Stamford Borough	...	...	F. Ryman
South Kesteven	...	...	J. Ross
North Kesteven	...	...	H. Chadwick
West Kesteven	...	...	G. Dearman
East Kesteven	...	...	Henry G. Lawless

The Inspector of Midwives and Superintendent of Nurses is Miss S. E. Morris, M.B.E.

## Ambulance Facilities.

The Ambulance Facilities in the county are as follows :—

Grantham & District Motor Ambulance Service—Mr. A. Musson, 4, Brook Street, Grantham.

Bourne Joint Ambulance Committee—The Police Station, Bourne.

St. John's Ambulance Brigade, Stamford—Mr. A. Lock, 38, St. Leonard's Street, Stamford.

Ambulances are also provided by the Sleaford Urban and East Kesteven Rural District (Secretary, Mr. W. Spyvee, Southgate, Sleaford), and the South Kesteven Rural District Councils for cases in their respective areas.

The Bourne Isolation Hospital provides its own ambulance for infectious cases.

## Clinics and Treatment Centres.

Infant Welfare Centres are held at the following places:—Billinghay, Bourne, Heckington, Heighington, Metheringham, Sleaford, Stamford, Waddington.

The following are particulars taken from their reports for 1933:—

Name of Centre.				No of Children in attendance on 31/12/33.
Billinghay	...	...	...	44
Bourne	...	...	...	214
Heckington	...	...	...	40
Heighington	...	...	...	51
Metheringham	...	...	...	202
Sleaford	...	...	...	91
Stamford	...	...	...	86
Waddington	...	...	...	60

An arrangement has been made with the Lincoln Maternity and Child Welfare Clinic for the attendance of infants residing in the Kesteven area adjacent to Lincoln.

The following is the report of the work done during the year:—

Number of children on the register on 31st December, 1933	...	48
Total number of attendances	...	258

Number of babies first visits.					Number of visits by babies who have previously attended.					
Under 1 year.	Under 2 years.	Under 3 years.	Under 4 years.	Under 5 years.	Under 1 year.	Under 2 years.	Under 3 years.	Under 4 years.	Under 5 years.	TOTAL.
26	...	2	1	1	153	32	3	19	21	258

Grantham Borough is an independent authority for Infant and Child Welfare, and maintains an Infant Welfare Centre which is opened weekly by Dr. Robbs, the Medical Officer of Health for Grantham and a whole-time Health Visitor.

**SCHOOL CLINICS.**—These clinics were held weekly at North Street, Bourne; Beaconfield, Grantham; Broad Street, Stamford; and Lafford House, Sleaford.

**TUBERCULOSIS CLINICS** were held at Westgate Hall, Westgate, Grantham, and Lafford House, Sleaford.

**VENEREAL CLINIC.**—This was held at Westgate Hall, Westgate, Grantham. Patients also attended clinics at Ketton, Lincoln and Peterborough.

The following statement shows the work done during the year at the Grantham Clinic, Westgate Hall, Grantham. Number of persons dealt with during the year, for the first time, and found to be suffering from—

Syphilis	...	...	...	6
Soft Chancre	...	...	...	—
Gonorrhœa	...	...	...	15
Conditions other than Venereal	...	...	...	7
				28

Total number of attendances at Out-patient Clinics	...	...	...	602
--	-----	-----	-----	-----

Number of specimens from persons attending at the treatment centre which were sent for examination to an approved laboratory	...	...	...	125
--	-----	-----	-----	-----

In addition, 13 cases of Venereal Disease from Kesteven were treated at the Peterborough Clinic, with 131 attendances; 28 cases attended the Lincoln Clinic, with 738 attendances; and 10 at Ketton, with 514 attendances.

**LABORATORY FACILITIES.**—Laboratory arrangements exist in the County Offices for the examination of sputum. The examination of swabs for diphtheria and other clinical material is sent to the Clinical Research Association in London. Water, milk, and foodstuffs are sent to the laboratory of the County Analyst. Specimens are sent from the department for Venereal Diseases to the University of Manchester. Specimens of milk requiring bacteriological examination are sent to the University of Sheffield.

## Nursing in the Home.

General nursing in the home continues to be carried out in this county, as described in previous reports by the various District Nursing Associations. They are all affiliated to the Lincolnshire Nursing Association. There were 66 District Nurse Midwives working in Kesteven during 1933, 38 of these acting as School Tuberculosis and Infant Health Visitors. Half the expenses of the local associations up to £90 is paid by grant from the County Council.



## Midwives.

The County Council is the Local Supervising Authority under the Midwife's Act for the whole of the Administrative County. Notices of intention to practice were received from 61 Nurses.

It is laid down in the rules of the Central Midwives' Board, that, when difficulties arise in the practice of a midwife she must call in to her assistance a registered medical practitioner. The County Council is responsible for the payment of fees in such cases which must be in accordance with the scale laid down by the Ministry of Health. These fees are recovered where possible in the whole or in part from the patients.

During 1933, practitioners were called in by midwives on 227 occasions.

The following returns were received from midwives:—

No. of times medical help sent for (in respect of mother) ...	196
Ditto ditto (in respect of child) ...	31
No. of forms sent in for artificial feeding ...	8
No. of deaths of mother ...	—
No. of deaths of child ...	3
No. of stillbirths (macerated) ...	4
No. of stillbirths (not macerated) ...	6
No. of cases of ophthalmia neonatorum ...	3
No. of times having laid out the dead ...	5
No. of times of exposure to infection ...	10

There are no nurses provided for cases of infectious disease.

No new District Nursing Association were instituted during the year.

## Maternal Mortality.

I have to report that during the year five women died as a consequence of childbirth.

Two of these were from puerperal sepsis and three from other causes. In each case enquiries were made and confidential reports were submitted to the Maternal Mortality Committee of the Ministry of Health in accordance with instructions contained in the Ministry's circular 888.

Arrangements have been made with the Lincoln Maternity Home; St. Clement's Nursing Home, Grantham; and the Stamford and Rutland Infirmary, for the reception of cases of difficult labour.

During the year 23 patients were sent to the Lincoln Maternity Home, and 8 to the Stamford and Rutland Infirmary. No patients were sent to St. Clement's Nursing Home, Grantham.

## Maternity and Nursing Homes.

**NURSING HOMES REGISTRATION ACT, 1927.**—The County Council is the Local Supervising Authority under this Act. As no application has been received under Section 9 (2) for the delegation of their power to a District Council, they are responsible for the administration of the Act throughout their area.

There are now four registered Maternity and Nursing Homes in the County, which have been inspected periodically and found satisfactory.

**ANTE-NATAL CARE.**—There are two methods by which this can be done. First by the establishment of ante-natal centres to which practitioners could be appointed and women in the surrounding areas asked to attend. This has not been found practicable, as centres could not be formed within a reasonable distance of many of the women's homes.

The second method, which has been adopted, is to make arrangements with private medical practitioners to undertake routine ante-natal examinations of uninsured women who have engaged midwives for their confinements.

In the case of insured persons the Insurance Practitioner is already responsible for medical attendance during pregnancy.

This scheme was brought into operation at the beginning of the year and a list was prepared of the practitioners practising the county who were willing to undertake this service for uninsured women.

A record card was drawn up in accordance with the suggestions of the Ministry of Health, and midwives were instructed to have at least two ante-natal examinations in each case made by the practitioner, either at the patients' homes or at the doctors' surgeries. A fee of 10/- to be paid to the practitioner in respect of this and travelling expenses at the rate of sixpence per mile each way for the distance in excess of two miles between the patient's home and the nearest doctor's surgery. Seventy-seven women availed themselves of this.

In addition a further scheme for post-natal examination was put into force as from the 1st April at the same rate of payment.

## Orthopædic Clinics.

The following is a statement of the work done, supplied by Dr. G. A. C. Shipman, our Orthopædic Surgeon:—

These Clinics have been conducted on lines similar to those published in last year's report. Only sporadic cases of infantile paralysis (acute anterior poliomyelitis) have arisen in the County during the year, and the incidence of deficiency diseases appears to be on the decline.

### Statistics.

- 174 number of children under treatment.
- 79 number taken off treatment during the year.
- 95 number remaining on treatment.
- 45 number discharged as cured.
- 6 number who have left school.
- 3 number moved out of the County.
- 2215 number of attendances.
- 19 cases submitted to operation.

**Appliances.**

- 41 children wearing surgical apparatus.
- 23 wearing specially adapted boots.
- 45 wearing corrective night splintage.

**Surgical Tuberculosis.**

- 31 number of cases admitted for institutional treatment.
- 33 number of cases examined by X-rays.
- 16 number of cases submitted to surgical operation.

**Housing, 1933.**

During the year there has been a considerable amount of activity on the part of Local Authorities on account of the demand from the Ministry of Health for schemes for slum clearance. The main purposes of which are to carry out the provisions of the Housing Act, 1930, especially with regard to the clearance and improvements of unhealthy areas, the repair or demolition of insanitary houses and the housing of persons of the working classes.

The preparation of these schemes has entailed a considerable amount of time and care on the part of the various Councils, urban and rural, and very hard work on the officials.

So far 751 houses have been marked for demolition and 3,052 persons are to be displaced and provided with accommodation elsewhere.

During the year 210 new houses have been erected in the County.

	Bourne Urban	Grantham Borough	Sleaford U.D.	Stamford Borough	North Kesteven	South Kesteven	East Kesteven	West Kesteven
<b>Number of new houses built by the Council ...</b>	—	—	—	32	38	16	26	8
<b>1. Inspection of dwelling-houses during the year.</b>								
(1) (a) Total number of dwelling-houses inspected for housing defects (under Public health or Housing Acts) ...	306	564	121	381	583	1002	1247	198
(b) Number of inspections made for that purpose ...	472	986	264	381	690	1286	1290	445
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 ...	193	479	30	—	417	300	298	60
(b) Number of inspections made for that purpose ...	325	890	36	—	459	584	318	93
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ...	120	114	85	211	48	284	63	21
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation ...	130	163	11	51	152	16	98	32
<b>2. Remedy of defects during the year without service of formal notice.</b>								
Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	91	41	18	3	94	43	43	27
<b>3. Action under Statutory Powers during the year.</b>								
<b>A.—PROCEEDINGS UNDER SECTIONS 17, 18, and 23 OF THE HOUSING ACT, 1930</b>								
(1) Number of dwelling-houses in respect of which notices were served requiring repairs	1	—	2	11	41	58	—	11
(2) Number of dwelling-houses which were rendered fit after service of formal notice—								
(a) By owners ...	2	—	2	11	30	30	—	11
(b) By Local Authority in default of owners	—	—	—	—	—	30	—	—

	Bourne Urban	Grantham Borough	Sleaford U.D.	Stamford Borough	North Kesteven	South Kesteven	East Kesteven	West Kesteven
B.—PROCEEDINGS UNDER THE PUBLIC HEALTH ACTS.								
(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied ...	—	9	—	—	73	40	—	—
(2) Number of dwelling-houses in which defects were remedied after service of formal notice:								
(a) By owners ...	—	12	—	—	55	29	—	21
(b) By Local Authority in default of owners	—	—	—	—	—	—	—	—
C.—PROCEEDINGS UNDER SECTIONS 19 AND 21 OF THE HOUSING ACT, 1930.								
(1) Number of dwelling-houses in respect of which Demolition Orders were made ...	71	6	—	1	12	60	—	2
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders ...	12	3	—	1	5	2	—	2
D.—PROCEEDINGS UNDER SECTION 20 OF THE HOUSING ACT, 1930.								
(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made ...	—	—	—	—	—	—	—	—
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit ...	—	—	—	—	—	—	—	—
E.—PROCEEDINGS UNDER SECTION 3 OF THE HOUSING ACT, 1925.								
(1) Number of dwelling-houses in respect of which notices were served requiring repairs ...	—	—	—	—	—	—	—	—
(2) Number of dwelling-houses which were rendered fit after service of formal notices:—								
(a) By owners ...	—	—	—	—	—	—	—	—
(b) By Local Authority in default of owners	—	—	—	—	—	—	—	—
(3) Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close	—	—	—	—	—	—	—	—
F.—PROCEEDINGS UNDER SECTIONS 11, 14 and 15 OF THE HOUSING ACT, 1925.								
(1) Number of dwelling-houses in respect of which Closing Orders were made ...	—	—	—	—	—	—	—	—
(2) Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit ...	6	—	—	—	—	—	—	—
(3) Number of dwelling houses in respect of which Demolition Orders were made ...	—	—	—	—	—	—	—	—
(4) Number of dwelling-houses demolished in pursuance of Demolition Orders ...	—	—	—	—	—	—	—	—
(5) Number of houses demolished voluntarily ...	—	—	—	—	—	—	—	—

NOTE.—Sections 11 to 15 of the Housing Act, 1925, have been repealed by the Housing Act, 1930, but the proviso to Section 64 of the Act of 1930 continues in force. Any Closing Orders and Demolition Orders made before the operation of the Act (15th August, 1930), and houses subject to those Orders must continue to be dealt with under the relative provisions of the Act, 1925.



## NUMBER OF CASES OF INFECTIOUS DISEASE NOTIFIED IN URBAN AND RURAL DISTRICTS DURING 1933.

District	Scarlet Fever	Diphtheria	Enteric Fever	Puerperal Fever	Puerperal Pyrexia	Erysipelas	Small-pox	Cerebro Spinal Fever	Encephalitis Lethargica	Ophthalmia Neonatorum
<b>Urban</b>										
Bourne	41	19	...	...	...	3	...	...	...	...
Grantham	61	15	1	2	4	8	...	2	...	1
Sleaford	...	...	...	...	...	3	...	...	...	...
Stamford	11	...	...	...	1	5	...	...	...	1
<b>Rural</b>										
North Kesteven	34	9	11	...	...	5	...	...	...	1
South Kesteven	78	3	1	...	...	1	...	...	...	...
East Kesteven	16	9	1	1	...	5	...	...	...	1
West Kesteven	42	6	2	1	...	5	...	1	...	4
<b>TOTAL</b>	273	61	16	4	5	35	...	3	...	8

## NUMBER OF CASES OF INFECTIOUS DISEASES NOTIFIED DURING THE LAST THIRTEEN YEARS.

Year	Scarlet Fever	Diphtheria	Enteric Fever	Puerperal Fever	Puerperal Pyrexia	Erysipelas	Small-pox	Cerebro Spinal Fever	Polionmyelitis	Encephalitis Lethargica	Ophthalmia Neonatorum	Pulmonary Tuberculosis	Non-Pulmonary Tuberculosis
1921	171	78	14	2	...	23	1	...	...	...	...	...	...
1922	80	39	13	...	...	22	...	1	1	2	13	88	21
1923	84	60	6	1	...	15	2	3	...	2	18	94	19
1924	66	33	21	1	...	20	...	1	13	9	5	78	25
1925	92	35	14	5	...	25	16	...	3	7	4	90	30
1926	144	54	8	4	...	28	...	2	2	9	1	90	28
1927	118	23	6	6	13	29	3	...	4	3	9	99	31
1928	186	94	8	8	12	24	22	1	2	5	7	111	17
1929	246	96	6	3	7	41	17	...	1	5	5	96	30
1930	286	82	4	3	12	35	...	1	2	5	2	134	29
1931	113	47	6	4	8	29	3	1	1	2	6	111	19
1932	158	20	7	4	17	25	...	1	3	1	6	115	33
1933	273	61	16	4	5	35	...	3	...	...	8	Not included in Returns	

**Ophthalmia Neonatorum.**

## PARTICULARS OF CASES DURING 1933.

Cases.			Vision unimpaired.	Vision impaired.	Total Blindness	Deaths.
Notified.	Treated.					
	At Home	Hospital				
8	8	...	8	...	...	...

All cases of Ophthalmia Neonatorum notified are kept under observation.



## Sale of Food and Drugs.

The County Council administers these Acts throughout the County, except in the Borough of Grantham, which is a separate Authority. Section 3 (1) of the Sale of Food and Drugs Act, 1889 provides that every Local Authority must carry out the provisions of the Acts with a view to maintaining a good standard.

The duty of taking samples in the county is in the hands of the police.

During the year 262 samples were taken in the county, except in Grantham, and sent to the Public Analyst (Mr. B. Henry Gerrans, F.I.C.) for examination. Of these 239 were reported as of genuine composition, 21 adulterated and 2 of inferior quality.

Tables are appended setting forth the facts in detail. A further Table is added showing the work done in Grantham.

Name of Sample.	Genuine Composition.	Adulterated.	Inferior.	Total.
Milk ...	128	20	—	148
Butter ...	11	—	1	12
Margarine ...	8	—	1	9
Lard ...	8	—	—	8
Whiskey ...	5	—	—	5
Coffee ...	4	—	—	4
Fish Paste ...	4	—	—	4
Honey ...	4	—	—	4
Preserved Peas	4	—	—	4
Vinegar ...	2	1	—	3
Rum ...	2	—	—	2
Gin ...	4	—	—	4
Cocoa ...	3	—	—	3
Baking Powder	3	—	—	3
Rice ...	1	—	—	1
Raisins ...	1	—	—	1
Pepper ...	5	—	—	5
Sugar ...	4	—	—	4
Coffee & Chicory Mixture	1	—	—	1
Tea ...	3	—	—	3
Currants ...	1	—	—	1
Cornflour ...	2	—	—	2
Confectionery ...	1	—	—	1
Mustard ...	1	—	—	1
Arrowroot ...	2	—	—	2
Ground Rice ...	1	—	—	1
Cheese ...	3	—	—	3
Mustard Mixture	1	—	—	1
Sausage Meat ...	3	—	—	3
Camp Coffee ...	1	—	—	1
Cream ...	2	—	—	2
Flour ...	3	—	—	3
Mild Beer ...	2	—	—	2
Potted Meat ...	2	—	—	2
Pearl Barley ...	1	—	—	1
Glauber Salts ...	1	—	—	1
Boiled Sweets ...	1	—	—	1
Meat Paste ...	1	—	—	1
Dried Peas ...	1	—	—	1
Ground Ginger ...	1	—	—	1
Sweet Spirits of Nitre	1	—	—	1
Bread ...	1	—	—	1
Strawberry Jam	1	—	—	1
	<u>239</u>	<u>21</u>	<u>2</u>	<u>262</u>

## ACTION TAKEN.

Sample.	Adulteration.	Action taken.	Result.
Milk ... 18 per cent.	required fat deficient...	vendor cautioned	
" ... 16 "	extraneous water ...	vendor summoned ...	case dismissed
" ... 14 "	required fat deficient...	" "	case dismissed
" ... 8 "	" " "	" "	case dismissed
" ... 6 "	" " "	vendor cautioned	
" ... 5 "	" " "	" "	
" ... 5 "	extraneous water	" "	
" ... 4 "	" " "	" "	
" ... 2 "	" " "	" "	
" ... 1'5 "	" " "	" "	
" ... 1 "	" " "	" "	
" ... 14 "	required fat deficient...	vendor summoned ...	finer £2
" ... 12 "	" " "	" "	finer £2
" ... 6 "	" " "	vendor cautioned	
" ... 5 "	" " "	" "	
" ... 4 "	" " "	" "	
" ... 15 "	added water	vendor summoned ...	finer £5
" ... 13 "	required fat deficient...	" "	
" ... 7 "	" " "	no proceedings	
" ... 16 "	" " "	vendor summoned	
Vinegar ... 7	of required acetic acid deficient	vendor summoned ...	case dismissed

## BOROUGH OF GRANTHAM.

FOOD AND DRUGS (ADULTERATION) ACT, 1928.

Nature of Article Analysed.	No. of Samples.	No. of Samples Genuine.	Deficient in Fat.	Remarks.
Milk ...	34	30	4	Formal Samples
Milk ...	7	7		} Informal Samples
Pasteurised Milk ...	4	4		
Certified Milk ...	1	1		
Grade "A" Milk ...	1	1		
Rum ...	2	2		
Sausage ...	1	1		
Potted Meat ...	1	1		
Fish Paste ...	1	1		
TOTAL ...	52	48	4	

No. of Sample.	Article.	Report of the Public Analyst.	Action taken.
156	Milk ...	Deficient in Fat 12%	Vendor warned
157	Milk ...	" " 21%	ditto
160	Milk ...	" " 11%	ditto
166	Milk ...	" " 4%	ditto

## MILK (SPECIAL DESIGNATIONS) ORDER, 1923.

Grade of Milk.	No. of Sample.	Informal or Formal.	Result—Bacterial Counts.
Pasteurised ...	81	Informal ...	Total No. of organisms growing at 37° C. in 48 hours, 9,200 per c.c. Bacillus Coli absent in 0·1 c.c.
Pasteurised ...	94	Informal ...	Total No. of organisms growing at 37° C. in 48 hours, 8,200 per c.c. Bacillus Coli absent in 0·1 c.c.
Pasteurised ...	99	Informal ...	Total No. of organisms growing at 37° C. in 48 hours, 7,600 per c.c. Bacillus Coli absent in 0·1 c.c.
Pasteurised ...	169	Formal ...	Total No. of organisms growing at 37° C. in 48 hours, 7,200 per c.c. Bacillus Coli absent in 0·01 c.c.
Certified .	175	Informal ...	Total No. of organisms growing at 37° C. in 48 hours 1,500 per c.c. Bacillus Coli absent in 1 c.c.
Grade "A" ...	176	Informal ...	Total No. of organisms growing at 37° C. in 48 hours 55,100 per c.c. Bacillus Coli absent in 0·01 c.c.

**Tuberculosis.**

The total number of cases notified during the year was 135—compared with 158 in 1932, 154 in 1931 and 166 in 1930. At the end of the year there were 537 cases of all forms of tuberculosis on the registers of the District Medical Officers of Health.

Arrangements detailed in previous reports for the prevention and treatment of tuberculosis continue as before.

The tables below give full details of the number of cases treated in Sanatoria, Hospitals, Dispensaries and at their own homes.

The Mantoux Inter-Dermal Test has been used in all cases of children suspected to be suffering from tuberculosis or who have been in contact with others so suffering.

With regard to surgical tuberculosis, I have again to express my appreciation of the valuable assistance given by Dr. G. A. C. Shipman, County Orthopædic Surgeon and Consultant. All cases of surgical tuberculosis were X-rayed by him and those surgical cases who were sent to Stamford and Rutland Infirmary for treatment were treated under his personal supervision. He, also, in many cases administered treatment by Ultra-Violet Rays.

THE FOLLOWING IS A SUMMARY OF NOTIFICATIONS OF TUBERCULOSIS RECEIVED BY ME DURING THE PERIOD FROM THE 1ST JANUARY, 1933, TO THE 31ST DECEMBER, 1933.

Age Periods	Number of Notifications including Supplemental Return.												
	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 and up-wards	Total Notifications, all ages.	Total Notifications
Pulmonary Males ...	...	...	1	3	4	10	12	7	5	9	2	53	53
„ Females	...	...	3	4	5	15	9	7	3	4	1	51	52
Non-Pulmonary Males ...	2	1	2	2	...	3	3	...	3	...	...	16	17
„ Females	1	1	2	4	1	2	3	1	...	...	...	15	15

**DEATHS FROM TUBERCULOSIS.****Urban Districts—**

	1913	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933
Bourne	2	5	6	7	9	2	4	6	4	4	3	6	4	5	5	2
Grantham	26	29	15	27	20	17	18	19	14	14	19	24	12	10	16	14
Ruskington	2	...	2	3	...	1	...	...	...	...	...	1	...	...	...	...
Sleaford	14	6	4	8	15	9	4	10	5	6	2	3	12	4	6	5
Stamford	6	12	12	9	14	17	14	6	8	10	3	9	8	18	9	7

**Rural Districts—**

	1913	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933
Bourne	9	9	6	11	10	12	13	16	12	4	5	3	9	17	10	15
Branston	31	13	10	11	10	14	16	16	11	4	12	6	8	7	9	13
Claypole	4	5	8	7	...	4	4	4	4	3	7	3	12	7	9	11
Grantham	11	10	13	15	6	10	11	11	9	9	10	6	7	7	12	15
Sleaford	19	16	17	11	18	13	17	6	16	12	8	8	5	...	...	...
Uffington	...	...	...	2	3	...	3	2	3	1	1	2	...	...	...	...
Spalding part of...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...
	124	105	93	111	105	99	105	96	86	67	70	72	77	75	76	82

RETURN SHOWING THE WORK OF THE DISPENSARY (OR DISPENSARIES)  
DURING THE YEAR, 1933.

DIAGNOSIS.	PULMONARY.				NON-PULMONARY.				TOTAL.					
	Adults.		Children.		Adults.		Children.		Adults.		Children.			
	M	F	M	F	M	F	M	F	M	F	M	F		
A—New cases examined during the year (excluding contacts):—														
(a) Definitely Tuberculous ...	40	36	8	3	11	3	15	3	51	39	23	6	119	
(b) Doubtfully Tuberculous ...	...	...	...	...	...	...	...	...	3	3	7	3	16	
(c) Non-tuberculous ...	...	...	...	...	...	...	...	...	9	7	...	2	18	
B—Contacts examined during the year:—														
(a) Definitely Tuberculous ...	2	2	1	2	...	...	...	...	2	2	1	2	7	
(b) Doubtfully Tuberculous ...	...	...	...	...	...	...	...	...	1	3	...	...	4	
(c) Non-tuberculous ...	...	...	...	...	...	...	...	...	46	49	65	61	221	
C—Cases written off the Dispensary Register as—														
(a) Cured ...	12	13	4	4	6	5	8	6	18	18	12	10	58	
(b) or Non-Tuberculous (including any such cases previously diagnosed and entered on the Dispensary Register as tuberculous)...	...	...	...	...	...	...	...	...	55	62	74	67	258	
D—Number of Persons on Dispensary Register, on December 31st:—														
(a) Definitely Tuberculous ..	163	174	48	33	30	22	22	19	193	196	70	52	511	
(b) Diagnosis not completed ...	...	...	...	...	...	...	...	...	4	8	7	3	22	

Number of persons on Dispensary Register on January 1st	...	...	521
Number of patients transferred from other areas and "lost sight of" cases returned			6
Number of patients transferred to other areas, and cases lost sight of			16
Died during the year	...	...	47
Number of attendances at the Dispensary (including Contacts)	...	...	1045
Number of consultations with medical practitioners:—			
(a) Personal	...	...	24
(b) Other	...	...	140
Number of other visits by Tuberculosis Officers to Homes	...	...	402
Number of visits by Nurses or Health Visitors to Homes for Dispensary purposes			3753
Number of—			
(a) Specimens of sputum, etc., examined	...	...	303
(b) X-Ray examinations made in connection with Dispensary work	...	...	33
Number of T.B. plus Cases on Dispensary Register on the 31st December	...	...	278
Number of Insured persons under Domiciliary Treatment on 31st December	...	...	289
Number of Dispensaries for the treatment of Tuberculosis provided by the Council			2

RESIDENTIAL INSTITUTIONS.

RETURN SHOWING THE EXTENT OF RESIDENTIAL TREATMENT DURING THE YEAR 1933.  
NUMBER OF PATIENTS.

In Institutions on January 1st			Admitted during the year			Discharged during the year.			Died in the Institutions.			In Institutions on December 31st.		
M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.
26	27	17	57	40	28	46	28	28	4	9	—	33	30	17



RETURN SHOWING THE IMMEDIATE RESULTS OF TREATMENT OF DEFINITELY TUBERCULOUS PATIENTS  
DISCHARGED FROM RESIDENTIAL INSTITUTIONS DURING THE YEAR 1933.

Classification on admission to the Institution.	Condition at time of Discharge	Duration of Residential Treatment in the Institution.												TOTAL.
		Under 3 months			3—6 months.			6—12 months.			More than 12 months.			
		M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	
PULMONARY TUBERCULOSIS—														
Class T.B. minus ...	Quiescent ...	2	1	8	4	8	1	2	3	4	...	1	...	34
Class T.B. plus ... (Group 1.)	Quiescent ...	3	...	...	7	1	...	3	...	...	...	...	...	14
Class T.B. plus ... (Group 2.)	Quiescent ...	1	...	...	5	4	...	3	3	...	...	1	...	17
Class T.B. plus ... (Group 3.)	not Quiescent	2	...	...	...	2	1	2	...	...	1	...	..	8
	Died in Institution...	1	4	...	...	1	2	2	1	...	...	1	...	12
NON-PULMONARY TUBERCULOSIS—														
Bones and Joints ...	Quiescent ...	5	1	2	2	...	2	2	2	1	...	...	1	18
Abdominal ...	Quiescent ...	...	...	2	...	...	...	...	...	...	...	...	...	2
	not Quiescent	...	...	1	...	...	...	...	...	...	...	...	...	1
	Died in Institution...	...	1	...	...	...	...	...	...	...	...	...	...	1
Peripheral Glands	Quiescent ...	1	...	2	...	...	2	...	...	1	...	...	...	6

### Water Supply.

Owing to the greatly diminished rainfall, considerable anxiety was felt as to the water supplies which in common with those of the rest of the country fell below the average. I am glad to report, however, that in the urban areas and in the rural where there were piped supplies no serious inconvenience was caused. But in many villages the houses in which are solely dependent on shallow wells, hardship certainly resulted, though by no means in such a serious degree as was reported in other parts of the country. It should now be more clearly understood than before that a piped supply of pure water should be available for every village if not for every individual house.

A large and important water scheme was carried through by the North Kesteven Rural District Council during the year which has supplied a large part of their area with abundant and pure water.

Attention must again be drawn to the miserable want of pure water in some of the fen districts such as Blankney Fen, where the inhabitants are entirely dependent on the rather dirty water contained in the dykes.

I have obtained from the various authorities, statements of the water supplied in the villages, which I herewith append:—

#### NORTH KESTEVEN RURAL DISTRICT.

The following villages have a piped supply, provided by the Council:—

Boothby Graffoe, Branston and Mere, Carlton-le-Moorland, Coleby, Dunston, Harmston, Heighington, Leadenham, Metheringham, Navenby, Nocton, Potterhanworth, Waddington, Washingborough and Welbourn. Stapleford has a part piped supply, and Wellingore is supplied privately.

The under-mentioned villages are supplied as indicated:—

South Hykeham, Bracebridge Heath, and North Hykeham by Lincoln; Brant Broughton, Stragglethorpe, Canwick, Doddington, Whisby, Eagle, Swinethorpe, North Scarle, Skellingthorpe, Swinderby, Thorpe-on-the-Hill, Thurlby, by wells.

#### SOUTH KESTEVEN RURAL DISTRICT.

The following villages have a piped supply:—

Baston, Castle Bytham (from reservoir), Corby (and reservoir), Couthorpe (and spring), Market Deeping (and bore), Dowsby (and bore); Greatford, Haconby (and bore); Irnham, Langtoft (and two bores); Morton (and one bore), Swayfield (from windmill and reservoir), Uffington (and one well), Dunsby (and windmill).

The under-mentioned villages are supplied by pumps and wells.

Aslackby and Loughton, Barholm and Stowe, Billingborough, Braceborough and Willsthorpe, Little Bytham, Careby, Aunby and Holywell, Carlby, Deeping St. James, West Deeping, Edenham, Folkingham, Horbling, Kirkby Underwood, Pointon and Sempringham, Rippingale, Swinstead, Tallington, Thurlby, Toft, Lound, Manthorpe, Witham-on-the-Hill.

## EAST KESTEVEN RURAL DISTRICT.

The following villages have a piped supply :—

Anwick, Billingham, Burton Pedwardine, Byard's Leap (part supply), Digby, Dogdyke (part supply), Dorrington, Ewerby with Evedon, Great Hale, Heckington, Helpringham, Kirkby-la-Thorpe, Leasingham, Little Hale, Martin, North Kyme, Ruskington, Scopwick, Screddington, South Kyme, Swaton, Timberland, Walcot, Wilsford.

The under-mentioned villages are supplied as indicated :—

Asgarby, Ashby-de-la-Launde, Bloxholme, Aunsby, Dembleby, Cranwell, Blankney, Culverthorpe, Newton and Haceby, Roxholme, Temple Brewer, Walcot near Folkingham, by wells.

Aswarby and Swarby, Osbournby, Rowston (and parish pump), and Silk Willoughby, by bores. North and South Rauceby are supplied privately.

## WEST KESTEVEN RURAL DISTRICT.

The following villages have a piped supply :—

Ancaster, Claypole, Colsterworth, Fenton, Honington (private), Londonthorpe (private), Normanton (private), Ropsley, Skillington, Stoke Rochford (private and private wells), Stubton, Welby, Woolsthorpe (private), Fulbeck (part).

The under-mentioned villages are supplied as indicated :—

Allington, Barkston, Barrowby, Belton, Manthorpe, Bitchfield, Bassingthorpe, Boothby Pagnell, Braceby and Sapperton, Burton Coggles, Carlton Scroop, Caythorpe, Denton, Easton, Foston, Great Gonerby, Gunby and Stainby, Harlaxton, Haydor, Hougham, Ingoldsby, Lenton, Keisby, Osgodby, Little Ponton, Stroxton, Harrowby Without, Long Bennington, Marston, North Witham, Old Somerby, Pickworth, Humby, Sedgebrook, South Witham, Syston, Westborough, Dry Doddington, Wyville-cum-Hungerton, by wells. Great Ponton and Hough-on-the-Hill have public springs.

### Welfare of the Blind.

I am indebted to Mrs. Cyril Greenall, Honorary Secretary to the Kesteven Blind Society for the following report. She is mainly responsible for the work done in this County for the Blind :—

REGISTRATION.—Changes have occurred as follows :—

New Cases	...	...	26
Deaths	...	...	18
Left the area	...	...	8
Come to the area	...	...	8

Total number of registered blind persons on 31/3/34—175

The following table shows the number of blind persons on the register in the various age groups :

#### AGE LIMIT TABLE.—

0—5	5—16	16—21	21—30	30—40	40—50	50—60	60—70	70	
1	7	2	10	10	11	26	35	73	Total 175

The next table shows the ages at which blindness occurred :—

#### AGE PERIOD.—

0—1	1—5	5—10	10—20	20—30	30—40	40—50	50—60	60—70	70	unkown
22	7	5	9	10	12	8	32	28	41	1

OBSERVATION LIST.—There are some 20 persons on this list who are visited by our Home Teacher from time to time, medical advice being arranged as required.

EDUCATION AND TRAINING.—Three registered blind children are at special schools for the blind, and there have been three trainees at the Nottingham Institution during the year, two completed their training at Xmas and are now in our Home Workers' Scheme and the third is to complete his at Easter.

HOME WORKERS.—There are now ten Home Workers, nine of whom are receiving augmentation of earnings, six are attached to the Nottingham Institution, and four are under the supervision of our own Home Teacher. There are also three St. Dunstan's men in the area.

SECOND GRADE HOME WORKERS.—These have been assisted to keep up a good standard of work and helped in the purchase of materials and the sale of their work. Quite good business has been done in the coal and coke sack industry and a start made in tea agencies. One man has been taught rough basket making by our home teacher and we have given him a work shed, and he is to start work shortly as a pass-time worker.

SALES OF WORK OF THE BLIND were held at Grantham on the occasion of the Society's Annual Meeting, and at the Stamford Trades' Exhibition.

MEDICAL ADVICE.—Six cases have attended the County Council Eye Clinics at the Society's expense, and altogether the Society has paid for advice for twelve persons, six have also been sent to the Nottingham Eye Hospital, and others have attended at Lincoln Hospital.

SPECTACLES.—Five persons have been helped to obtain these after medical advice.

**WIRELESS.**—This continues to be much appreciated, the Sets loaned by the British Wireless for the Blind Fund have been kept in order, and we hope to receive a few more Loud Speaker Sets at the next distribution.

**ALLOWANCES.**—Regular allowances in cash or kind have been made to 41 persons, and many others have been helped with clothing, etc., or in special needs. Xmas presents were sent to 54 persons.

**PENSIONS FROM OTHER SOCIETIES.**—Seven persons are in receipt of these.

**BLIND PERSONS IN HOMES FOR THE BLIND.**—We have two women in the Boston Home, and a man at Manor House Home, Devonport.

**CERTIFICATION.**—The Society has adopted the "Prevention of Blindness" Committee's Certificate for all new cases on registration.

**SUBSCRIPTIONS.**—Church Collections, Flower Days, Entertainments, etc., etc., for the funds of the Society have been well supported.

### **Cancer.**

The number of deaths from Cancer, as will be seen from the following table, shows no signs of diminution but rather the reverse. This corresponds with the increased Cancer rate generally for England and Wales.

As stated in last year's report a branch of the British Empire Cancer Campaign has been formed in the County, and it is hoped that as a result of radium treatment which they are now about to establish, the death rate from this disease will greatly diminish.

YEAR	Total number of Deaths	Death Rate per 1,000 Population	
		County of Kesteven	England & Wales
1919	124	1·08	1·18
1920	127	1·11	1·16
1921	138	1·27	1·21
1922	130	1·19	1·22
1923	181	1·65	1·26
1924	156	1·41	1·29
1925	138	1·24	1·33
1926	151	1·38	1·36
1927	152	1·40	1·37
1928	182	1·66	1·42
1929	187	1·69	1·43
1930	159	1·45	1·45
1931	163	1·48	1·48
1932	156	1·41	1·51
1933	191	1·73	—

### **Children and Young Persons' Act, 1932.**

**INFANT LIFE PROTECTION.**—In the Administrative County at the beginning of the year, 1933, there were 33 children boarded out in accordance with the above Act in 29 homes; at the end of the year there were 32 children in 31 homes.

During the year 9 applications for registration were received from foster parents, all of which were granted after satisfactory reports had been received from the Inspectors.

125 Visits were paid by the visitors.



